## A STARTLING DISCOVERY ABOUT THE MODERN ARMY RIFLES.

English Generals in the Field in the Soudan and Matabeleland Find That the Wounded Savages Keep Right on Fighting Unless Shot Through the Head or the Heart.

Are our troops armed with toy guns?
Are our new United States army rides seless?

first time on living man, went through their bodies as easily as it went through the dead men and the dead horses of the

and General Kitchener, Commander-inChief of the British forces in the Soudan, have both simultaneously complained to the British War Office. These generals are in the field and to their horror they have discovered that the Lee Metford rifles in use by their armies are almost worthless. They find that the savages are better equipped with their old-fashioned guns than the British troops with the new small-bore rifles.

in the light of this practical experience with an actual enemy. Army experts and ordnance scientists have, apparently, made a great blunder instead of a great discovery.

A little hole drilled through his leg may result in blood poisoning, in immeness, in death, in this or that form of ineffective-

death-dealing course for monetary to the old-fashbased by an accumulation of small hole that kills if it arrikes a vital point and allowed that kills if it arrikes a vital point and allowed the man might be able to, go on the most and the point of the

of files like it) lies, nowever, less in the long range of the weapons than in the exceeding flatness of their trajectory. The path of the trajectory of the Krag-Jorgensen builet is so nearly flat, and the muzzle rard, of the United States Army; La Garde,

"British influence," which means the most distant place in which the British think it safe to do a little killing by way of prac"British influence," which means the most down, and backward and forward at a rate changed.

The answer seems to be yes.

"British influence," which means the most proved itself less effective than the old, less the action of the diaphragm and confines mentary third eyelid, such as birds and down, and backward and forward at a rate changed.

To illustrate more perfectly what the lungs. It must have an effect upon the search of the car, there is to be a six-pronged pitchfork, sharp, heavy auto-car is capable of, its creator says that young fellows from the city, gay, thought-

Has the Department of War of the United States spent on ingenious toys the money appropriated for the effective arming of our troops? And are the great armiles of Great Britain and Europe also supplied with weapons which are less effective than the old-fashioned guns of the past generation?

It is hard to believe that all the experts of all the various governments, all the men of specialized training have gone astray. But recent events make a very strong case against them.

General Carrington, the commanding of ficer of the English troops in Matabeleland, and General Kitchener, Commander-in-Chief of the British forces in the Soudan.

bore rifies.

This is the first actual and practical test of the small-calibre, modern rifle on the field of battle. And after the millions of dollars spent by every great nation in tests and experiments, all theories and supposed discoveries fail to the ground in the light of this practical experimence with an actual enemy. Army experts

made a great blunder instead of a great discovery.

The French press reports on recent experiments made with a view to getting a high muzzie velocity out of a large bore rifle. The German press maintains that there ought not to be too ready a reliance placed on the claims that have been advanced in favor of small bores.

The United States Government is in doubt, as is shown by the continued experiments on cadavers with the new regulation Krag-Jorgensen rifle at Fort Riley.

The sum total of experience with the new rifles is that up to 500° yards the explosive effect of the builets is something terrific. Beyond that the builet loses what is called its explosive force. It will continue in its death-dealing course for another 500 or 1,000 yards, but it will make a clear, round hole that kills if it strikes a vital point and slightly wounds if it does not.

The large builet, from the old-fashloned

German Hebler, all about the same.

Our own Krag-Jorgensen carries four extridges at a loading, fires twenty shots a minute and will kill at a distance of two miles, which is about as far as a soldier's unaided vision will enable him to discover an enemy. The peculiar pride and joy of the inventors of the Krag-Jorgensen riffe (and of all the inventors of other patterns of rifles like it) lies, however, less in the long range of the wenpons than in the extractive effects between the krag-calibre bullets with low initial velocity. Later Moresow, Tauber and Pawlow, of Russia, made valuable (and of all the inventors of other patterns of rifles like it) lies, however, less in the long range of the wenpons than in the extraction of ordinance experts. In Germany Busch and Reger were among the first to call attention to the difference in destructive effects between the karge calibre bullets with high initial velocity. Later Moresow, Tauber and Pawlow, of Russia, made valuable (and of all the inventors of other patterns of rifles like it) lies, however, less in the long range of the wenpons than in the extraction of the subject. The trouble and infant has in learning to walk is strong evidence that the bipedal accomplishment was acquired by the race late in its history.

Ages Was as Well

Equipped as a loading, fires twenty shots a minute and will kill at a distance of two call attention to the difference in destructive effects between the kirge calibre bullets with high initial velocity. Later Moresow, Tauber and Pawlow, of Russia, made valuable contributions to this subject, which were followed by those of Chauvel and Nimier, of Erance.

EXACT

SIZE

MINIE BALL - SLUG

of the rifle needs to be so slightly ele-vated, that when you are at the breast of a man two miles away, the builet would of Kansas, whose recent experiments at of a man two miles away, the builet would not go over the head of a man half way between you and your murk.

The projectile which flies so far, so swifting and so straight is in itself so bard that If and so straight is in itself so bard that it will go through five feer of soild pine wood, and, as for a human body, the hard lead core enveloped in a case of sheet-steel, plated with nickel-copper, will go through the bodies of four or five men, one after the other, without being flattened or smaller.

The projectile which fies so far, so swift mined by the resistance of the wound is determined by the range; that is, by the distance from the gun, by the resistance of the pine wood, and, as for a human body, the wounded part, and, finally, by the shape of the bullet, or, as it is technically called, its deformation.

The projectile which fies so far, so swift mined by the range; that is, by the distance of the pine wood, and, as for a human body, the wounded part, and, finally, by the shape of the bullet, or, as it is technically called, its deformation.

The great canines, or "eye teeth," used by apes and other animals for tearing and intend by Lissner, the anatomist, who had a till more than four inches in length."

Scores of similar cases are on record, and interval.

through the bolles of tour or five men, and treft after the other without being fastened or manaked.

Since the Franco-Frasian war there has since the fratter will be not direct his carried to the or think and the first war in the or the control of the first war in the or the control of the first war in the or the or the first war in the or the or the war in the or the or the first war in the or the or the the

Monkey.

pacity increased and the jaw shortened. We at once recognize a brutal physiognomy by the projection and displacement of the "There is every reason for believing that great masticating apparatus, used by the human beings once had tails," said Sir ape as a weapon. The shortning has pro-

safe to do a little killing by way of practice. And in some of the fighting in Matabelle Island and on the caves of Pamir, "the roof of the world," a most amexing discovery was made.

The answer seems once to have been the action of the blood, and, consequent life and powerful. From the wheels, extending that it is possible now to kill a man at a greater disance than formerly it was possible to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which formerly to be a six-proaged pitchfork, sharp, heavy now useless muscles which f

The Different Wounds Made by Large and Small Calibre Bullets. DEATH'S BEST

Plans for a Machine That Will Kill Every-

backward and forward. The conical tower is punctured with eight holes, from each of which extends a gun barrel, firing bullets of small calibre at the rate of 122 a minute, but of penetrating force calcu-

SKULL

EMETRALED BY

MODERN ARM

LEG

BONES

lated to demolish the finest armor.

But of all the wonders of this car of war the greatest by far is to be the terrible force beneath the simple touch of a finge of the soldier. He works absolutely be A Genius Has Conceived of the soldier. He works absolutely beyond sight of the opposing army, yet not a move on their part escapes him. By a series of lenses from the apex of the tower there appears before him on a ground glass a reproduction in miniature of the battlefield, so that standing in security he is able to direct his car, fire his shots and watch all effects as caimly as though he

working day of eight hours, said the individual Christian, and we all offered thanks.

But now, in the course of time, the newfashtoned riffe (which, it must be remembered, is about the same thing in America

as nearly all European guns) has made its

way to the extreme edges of the zone of the street show that the newtable to the height of seven feet. Standin the local and in the torse of the Board of Visitors to Viest

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## TO THE FLAG

ARM BONES.

Lowering the Cofors at the United States Army Post Is a Sof-